

PROBLEM SUMMARY

[4501182536] TRANE SYSTEM A

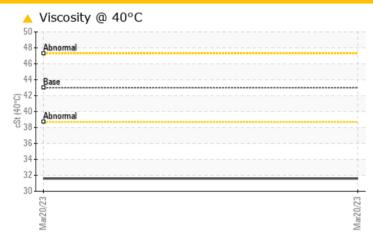
Component

Screw Compressor

NU-CALGON ZEROL 200TD (7 GAL)

Sample Rating Trend **VISCOSITY**

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS									
Sample Statu	s			ABNORMAL					
Visc @ 40°C	cSt	ASTM D7279(m)	43.0	<u></u> 4 31.6 △					

Customer Id: CIMTOR **Sample No.:** WC0778487 Lab Number: 02546951 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Bill Quesnel CLS,OMA II,MLA-III,LLA-I +1

(289)291-4641 x4641 Bill.Quesnel@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643

gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

VISCOSITY



Area [4501182536] TRANE SYSTEM A

Screw Compressor

NU-CALGON ZEROL 200TD (7 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

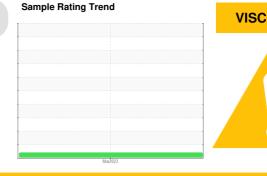
All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

▲ Fluid Condition

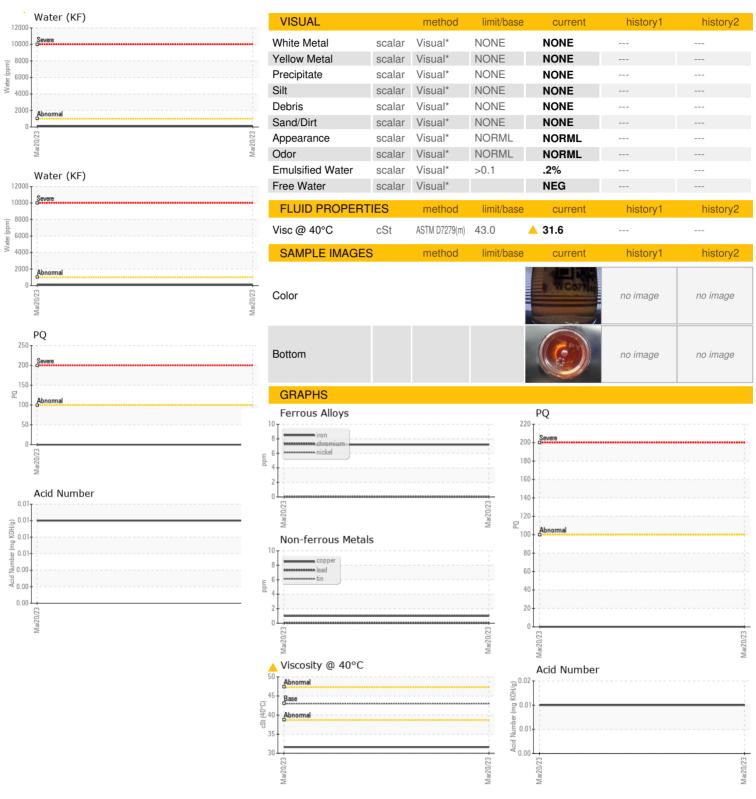
Viscosity of sample indicates oil is within ISO 32 range, indicating mixing with the refrigerant. The condition of the oil is acceptable for the time in



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0778487		
Sample Date		Client Info		20 Mar 2023		
Machine Age	hrs	Client Info		23173		
Oil Age	hrs	Client Info		6000		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>60	7		
Chromium	ppm	ASTM D5185(m)	>4	0		
Nickel	ppm	ASTM D5185(m)		0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>5	0		
Lead	ppm	ASTM D5185(m)	>10	0		
Copper	ppm	ASTM D5185(m)	>30	1		
Tin	ppm	ASTM D5185(m)	>15	1		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		0		
Calcium	ppm	ASTM D5185(m)		0		
Phosphorus	ppm	ASTM D5185(m)		751		
Zinc	ppm	ASTM D5185(m)		<1		
Sulfur	ppm	ASTM D5185(m)		121		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	4		
Sodium	ppm	ASTM D5185(m)		0		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	%	ASTM D6304*	>0.1	0.009		
ppm Water	ppm	ASTM D6304*	>1000	94.3		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.0	0.01		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WC0778487 : 02546951

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received Diagnosed

Diagnostician : Bill Quesnel : 5551961 Test Package : IND 2 (Additional Tests: KF)

: 22 Mar 2023

: 27 Mar 2023

To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

CIMCO Refrigeration

1551 Corporate Drive Burlington, ON CA L7L 6M3

Contact: Roberto Stillisano rstillisano@toromont.com T: (416)886-9921

F: (416)465-8815